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UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Mari MASANAGA et al.

Application No.: 10/590,480

Filing Date: August 24, 2006

Title: ADDITIVE FOR HYDRAULIC  
MATERIAL

)  
) Group Art Unit: 1755

)  
) Examiner:

)  
) Confirmation No.: 8951  
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**FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a first Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date November 22, 2006

By:

  
William C. Rowland  
Registration No. 30888

P.O. Box 1404  
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703 836 6620



NOV 22 2006

# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/590,480

Filing Date

August 24, 2006

First Named Inventor

Mari MASANAGA et al.

Examiner Name

Attorney Docket Number

1011350-000380

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,911,820	A	Satoh et al. (corresponds to JP 10-081549 cited below)	06-15-1999
	4,547,223		Goto et al. (corresponds to JP 59-3430 cited below)	10-15-1985
	5,174,820	A	Sakuta et al. (corresponds to JP 2825855 cited below)	12-29-1992
	6,384,141	B2	Hirata et al. (corresponds to JP 2001-247346 cited below)	05-07-2002
	4,650,522		Teraji et al. (corresponds to JP 6-99169 cited below)	03-17-1987
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	5,290,869	A	Kinoshita et al. (corresponds to JP 5-170501 cited on page 2 of Form PTO 1449)	03-01-1994
	5,466,289	A	Yonezawa et al. (corresponds to JP 6-191918 cited on page 2 of Form PTO 1449)	11-14-1995
	5,707,445	A	Yamato et al. (corresponds to JP 7-223852 cited on page 2 of Form PTO 1449)	01-13-1998
	5,490,381	A	Becker (corresponds to JP 7-054645 cited on page 2 of Form PTO 1449)	02-13-1996

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS					
					With English Translation	With English Translation	International Search Report	Written Opinion	Abstract	Cited in Specification With English
	*1 112 984	A1	Europe	07-04-2001			X	X		
	*60-016846	A	Japan	01-28-1985			X	X	X	
	*59-128250	A	Japan	07-24-1984			X	X	X	X
	*1 350 775	A2	Europe	10-08-2003			X	X		
	*8-053522	A	Japan	02-27-1996					X	X
	*8-290948	A	Japan	11-05-1996					X	X
	*8-290955	A	Japan	11-05-1996					X	X
	*9-002855	A	Japan	01-07-1997					X	X
	*10-081549	A	Japan	03-31-1998						X
	*59-21557	A	Japan	02-03-1984	X					X
	*62-91450	A	Japan	04-25-1987	X					X
	*59-3430	B2	Japan	01-24-1984						X
	*2825855	B2	Japan	09-11-1998						X
	*2001-247346	A	Japan	09-11-2001						X
	*6-99169	B2	Japan	12-07-1994						X
	*0 174 644	B1	Europe (corresponds to JP 6-99169 cited above)	03-19-1986						
	*11-29347	A	Japan	02-02-1999		X				X

\*Copy attached.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
Form Letters I

Substitute for form 1449A/PTO & 1449B/PTO  <b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/590,480
				Filing Date	August 24, 2006
				First Named Inventor	Mari MASANAGA et al.
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	1011350-000380

FOREIGN PATENT DOCUMENTS									
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS				
					With Partial English Translation	With English Translation	International Search Report	Written Opinion	Cited in Specification With English Abstract
	*62-068806	A	Japan	03-28-1987					X X
	*1-113419	A	Japan	05-02-1989					X
	*7-267705	A	Japan	10-17-1995					X X
	*2508113	Y2	Japan	08-21-1996					X
	*62-216950	A	Japan	09-24-1987					X
	*1-226757	A	Japan	09-11-1989					X X
	*5-036377	A	Japan	02-12-1993					X X
	*4-149056	A	Japan	05-22-1992					X X
	*5-170501	A	Japan	07-09-1993					X X
	*6-191918	A	Japan	07-12-1994					X X
	*5-043288	A	Japan	02-23-1993					X X
	*58-038380	A	Japan	03-05-1983					X X
	*59-018338	A	Japan	01-30-1984					X X
	*62-119147	A	Japan	05-30-1987					X X
	*6-271347	A	Japan	09-27-1994					X X
	*6-298555	A	Japan	10-25-1994					X X
	*7-223852	A	Japan	08-22-1995					X X
	*2003-138738	A	Japan	05-14-2003					X X
	*7-054645	A	Japan	02-28-1995					X X
	*8-208769	A	Japan	08-13-1996					X X
	*8-208770	A	Japan	08-13-1996					X X

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	*International Search Report dated 05/24/2005.
	*Written Opinion of the International Searching Authority

\*Copy attached.

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
Form Letters I